Training 2018 Includes:

- Information-Packed digital storage device
- Hands-On practice and Classroom Instruction
- Actual fly-in, “real world” situations to practice skills

International students encouraged to participate!

Sep 24-28, 2018
Carlisle, Arkansas USA
Note: Dates are firm but some pgm content & presenters may vary.

ARRIVAL & REGISTRATION

MONDAY, SEPTEMBER 24, 2018
7:00 - 9:00 pm Pre-registration EAA Hangar Carlisle Airport (4M3)

DAY 1, TUESDAY, SEPTEMBER 25, 2018

6:00 am Registration Training Office—EAA Hangar
Coffee and Breakfast sandwiches each day

7:00 am Introductions
- Staff, guests, hosts, and attendees
- Agenda review
- Notebook and Flash Drive content

8:00 am Fly-In Preparation EAA Hangar
- Field equipment setup review and layout
- Drift setups
- Pattern setups

9:30 am Break Coffee, Sodas, Water provided

10:00 am Field Equipment Layouts Airport grounds
- Field equipment setup review and layout
- Drift setups
- Pattern setups

11:30 am Morning Wrap & Discussion EAA Hangar

12:00 pm Lunch Advada Diner—Carlisle (Lunch Provided)

1:00 pm DropletScan™ V2_6 (Windows 10)

- Witness Cards, Novartis, Oil, Kromecote Samples
- Limitations
- Spread factors
- Image and paper quality

- Drop size
- Computer requirements
- Applications
- PA enhancements
- Drift

Page 2
2:30 pm  Break  (Coffee, sodas, and water provided)

2:45 pm  Analysis Center Setup & Discussion  EAA Hangar
Layout and functioning analysis center (Discussion)
• Unpack analysis equipment (2 sets of string analysis equipment and 2 DropletScan™ analysis units)
• Program Overview
• System Setup
• Test Data
• String Analysis
• Swath Determination
• Analyze Existing Files
• Printed Reports
• Spectrometer Compatible systems

4:05 pm  Accupat String Analysis Introduction
• Program Overview
• System Setup
• Test Data
• Data Entry
• Swath Determination
• Analyze Existing Files
• Printed Reports

4:30 pm  Hands-On Applications  EAA Hangar
• String analysis— (2 string analysis units) 2 teams will analyze strings from previous fly-ins. Obtain printouts (Passes, Average, Overlapped swaths)
• Card analysis— (2 DropletScan™ units) 2 teams will analyze cards from previous fly-ins Produce DropletScan™ report printouts

5:30 pm  Free Time to practice and catch up

~6:30 pm  Dinner  (Dinner provided)  LTBD—Class will vote (Mex, Fish, or BBQ)
DAY 2, WEDNESDAY, SEPTEMBER 26, 2018

6:00 am  Setup Equipment (Students) Meet at EAA Hangar
  • Flight-line Collector & Data Systems
  • Drift Tower - Flight Path

7:30 am  Discussion of Aircraft Setup Airport (airplane)
  Booms
  • Type
  • Location
  • Length
  • Nozzles attachments
  • Hangers
  • Half boom shut off
  • Tapered booms
  • Bleed lines
  Nozzle Types
  • Sheet
  • Straight stream
  • Hollow cone
  • Rotary
  • Check valves
  • Identification (type, size, etc.)
  Aerodynamics
  • Ground effect
  • Prop wash
  • Vortices
  • Obstruction
  • Wing tips
  • Vortex generators
  • Fairings
  • Spray system component review
  • Cockpit
  • Flow controllers (A & B styles)
  • GPS
  • Racetrack
  • Back and forth
  • Quick racetrack
  • Reverse racetrack
  • Expand
  • Squeeze
  • Calibration
  • Spreadsheet - ACCALIB
  • USDA/ARS Model(s) review
  • AgDrift
  • WRK Granular system equipment, setup, and software review

10:00 am  Break (Coffee, sodas, and water provided) EAA Hangar

10:20 am  Nozzle models for aircraft setups  (Students bring laptops for interactive learning –and reference)

12:00 pm  Lunch (Lunch provided) Sandwiches by Jimmy John’s
1:15 pm  Pattern Anomalies  EAA Hangar
Fixing aerodynamic pattern problems on fixed and rotary wing aircraft
- Prop wash
- Hangars /obstructions
- Vortices
- Speed
- Height
- Wind direction
- Leaks
- Unexplained pattern problems?
  Don’t always look for the obvious!
- Flowbrator
- Volume/drop size – what rate to check if operator is doing several tests?

3:00 pm  Break  (Coffee, sodas, and water provided)

3:20 pm  Wrap Up  EAA Hangar
- Review of course material
- Review of procedure for analyst certification by NAAA

4:30 pm  Final Exam and Course Evaluation
(Passing grade will be mandatory for those wanting to be certified or recertified.)

6:30 pm  Free time & Dinner on your own
DAY 3, THURSDAY, SEPTEMBER 27, 2018

6:00 am  **Setup Flightline**  (Students)  Meet at EAA Hangar
- Flight-line System
- Flight Data System
- Drift Tower & Flight path

7:00 am  **OP SAFE Training Fly-in Begins**
Students will conduct the fly-in and operate all stations. Teams will rotate duty stations throughout the day, as determined by the Fly-in management.
Initial duties will be:

**Station 1**  **Team 1**  Carlisle Airport
- Briefing pilots
- Overseeing loading operations
- Flowbrator operations

**Station 2**  **Team 2**  Carlisle Airport
- Flight-line duties
- Drift Tower operation
- Granular collector set up and evaluations

**Station 3**  **Team 3**  EAA Hangar
- String analyses
- DropletScan analyses
- Print outs & Pilot consultations

12:00 pm  **Lunch**  Advada Diner—Carlisle AR

1:00 pm  **Activities Resume**
- Practice on software
- Drift tower setup
- Or unless Weather causes cessation of operations
- Preparation for Op SAFE Clinic at Almyra—discuss transportation, timing, and logistics.

?? :00 pm  **Repack Flight-line Equipment**  (Students)
Dinner on your own
~5:30 pm  Group Discussion & Test Review
EAA Hangar—Carlisle Airport
- Questions regarding day’s operations
- Problems experienced
- Aircraft problems observed and suggested solutions
- General discussion of Analyst needs—how to stay current
- Review of pictures on CD
- Wrap up

TYPICAL S.A.F.E. CLASS ACTIVITIES
DAY 4, FRIDAY, SEPTEMBER 28, 2018

6:00 am   Setup Flightline  (Students)   Meet at Grand Prairie Dusters (GPD) Hangar, Almyra Municipal Airport—directions will be provided

- Flight-line Collector System
- Flight Data System

7:00 am   Operation SAFE Fly-in Commences

Students will conduct the fly-in and operate all stations. Teams will rotate duty stations throughout the day, as determined by the Fly-in management.

Station 1   GPD Hangar

- Briefing pilots
- Overseeing loading operations
- Flowbrator operations

Station 2   GPD Hangar

- Flight-line duties
- Drift Tower operation
- Field Deposition

Station 3   GPD Hangar

- String analyses
- DropletScan analyses
- Print outs & Pilot consultations

12:00 pm   Lunch Provided   GPD Hangar

1:00 pm   Fly-in Resumes/Continues—GPD

7:00 pm   Fly-in Concludes

Dismantle flight-line and repack equipment (Students)

7:00 pm   School De-brief, Dinner

   LTBD (Location to be Determined)
PROGRAM PRESENTERS

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REGISTRATION

Preregistration prior to August 1, 2018 is strongly recommended to be assured of accommodations.

CLASS REGISTRATION FEE — US$2500 Pre-registration prior to August 1, 2018—US$2800 Afterward or on-site.
10% Discount for additional registrants from same organization.

Check, money order, purchase order, or Credit Card accepted—cash preferred payable to WRK of Arkansas LLC in advance or at on-site registration.

Pre-register by e-mailing your Name, Address, Phone, & Organization to whitney3451@att.net or dgardisser@wrkofar.com
Phones: (405) 714-0095 or (501) 676-1762

CARLISLE ARKANSAS - LODGING IN LONOKE ARKANSAS ~ 10 MIN FROM CARLISLE
Make your own reservations ASAP.

Hampton Inn & Suites
240 Brownsville Loop, Lonoke AR 72086
(501) 676-0602

Holiday Inn Express
104 Dee Dee Lane, Lonoke AR 72086
(501) 676-7800

Best Western Plus
102 Dee Dee Lane, Lonoke AR 72086
(501) 676-8880

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